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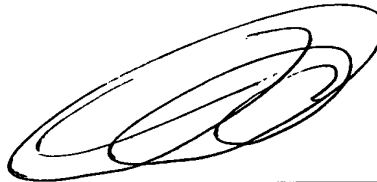
In re Application of: **SAUNDERS ET AL.**
Serial No.: **NOT YET ASSIGNED**
Filed: **HEREWITH**
For: **RADIO COMMUNICATION SYSTEM EMPLOYING SPECTRAL
REUSE TRANSCEIVERS**

Sir:

Transmitted herewith is an INFORMATION DISCLOSURE STATEMENT in the above-identified application.

1. ☒ This IDS is submitted under 37 C.F.R. ' 1.97. No fee is required.
2. ☐ This IDS is submitted under 37 C.F.R. ' 1.97(c). Authorization is given to charge Deposit Account **01-0484** in the amount of \$ 180.00.
3. ☐ This IDS is submitted under 37 C.F.R. ' 1.97(c) and (e). No fee is required.
4. ☐ This IDS is submitted under 37 C.F.R. ' 1.97(d) and (e). Authorization is given to charge Deposit Account **01-0484** in the amount of \$130.00 to cover the petition fee.
5. ☒ The Commissioner is hereby authorized to charge or credit any discrepancies in fee amounts to Deposit Account No. **01-0484**.

Date: December 8, 2003



Charles E. Wands
Reg. No. 25,649



PATENT TRADEMARK OFFICE

27975

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)	
SAUNDERS ET AL.)	Attorney Docket No.
)	70426
Serial No. NOT YET ASSIGNED)	
)	
Filing Date: HEREWITH)	
)	
For: RADIO COMMUNICATION SYSTEM)	
EMPLOYING SPECTRAL REUSE)	
TRANSCEIVERS)	

CITATION UNDER 37 CFR §1.97

Director, U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached is Form PTO-1449 listing several references for consideration in the examination of the above-identified application. A copy of each reference is also enclosed. It is requested that these references be considered by the Examiner and officially made of record in accordance with the provisions of 37 CFR §1.97 and Section 609 of the MPEP.



27975

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Respectfully submitted,

CHARLES E. WANDS
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In re Patent Application of:

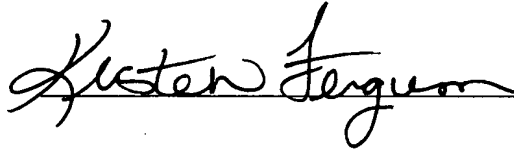
SAUNDERS ET AL.

Serial No. **NOT YET ASSIGNED**

Filed: **HEREWITH**

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express mail in an addressed to: Mail Stop Patent Application, COMMISSIONER OF PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, on this 8 day of December, 2003.

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FORM PTO-1449
LIST OF PATENTS AND
APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: 70426

SERIAL NO.: Not yet assigned

FILING DATE: Herewith

APPLICANT: Saunders et al.

GROUP:

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING IF APPROPRIATE
	AA					

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION Yes -- No
AB					

OTHER ART

(Including Author, Title, Date, Pertinent Pages, etc.)

A C	Cherubini, Giovanni, <u>Filtered Multitone Modulation for Very High-Speed Digital Subscriber Lines</u> , IEEE, Vol. 20, No. 5, June 2002, pp. 1016-1028.
A D	Vangelista, Lorenzo, <u>Efficient Implementations and Alternative Architectures for OFDM-OQAM Systems</u> , IEEE members, pp. 1-15.
A E	Dick, Chris, <u>Implementation of FPGA Signal Processing Datapaths for Software Defined Radios</u> , Communications Design China, Conference Proceedings, pp/ 241-247
A F	Andraka, Ray, <u>A Survey of CORDIC Algorithms for FPGA Based Computers</u> , Andrade Consulting Group, 10 pages.
A G	Moonen, Marc, <u>Per Tone Equalization for DMT Receivers</u> , Globecom, Rio de Janeiro, Brazil, December 1999, 6 pages.
A H	Wang, Kai, <u>Time and Frequency Synchronisation in OFDM</u> , School of Communications and Informatics, Victoria University, Melbourne, Australia, 2 pages.
A I	Zhou, Shengli, <u>Finite-Alphabet Based Channel Estimation for OFDM and Related Multicarrier Systems</u> , IEEE, Vol. 49, No. 8, August 2001, pp. 1402-1414.
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A M	Saulnier, Gary J., <u>Performance Of An OFDM Spread Spectrum Communications System Using Lapped Transforms</u> , IEEE, 1997, 5 pages.

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 * Draw line through citation if not in conformance and not considered. Include copy of this form
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A N	Vaidyanathan, P. P., <u>Filter Banks in Digital Communications</u> , Dept. of Electrical Engineering, California Institute of Technology, Pasadena, CA, 23 pages.
A O	Ohm, Michael, <u>Extended Lapped Transforms for Digital Multicarrier Modulation</u> , Globecom, IEEE 25-29, November 2001, pp. 217-221
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A Q	Weiss, Stephan, <u>Fast Implementation of Oversampled Modulated Filter Banks</u> , Dept. of Electronics, University of Southampton, 4 pages.
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B D	Dick, Chris, <u>FPGA Interpolators Using Polynomial Filters</u> , 8 th International Conference, September 13-16, 1998, 5 pages.

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B F		Speth, Michael, <u>Frame Synchronization of OFDM Systems in Frequency Selective Fading Channels</u> , 5 pages.
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B M		Gardner, Floyd, <u>A BPSK/QPSK Timing-Error Detector for Sampled Receivers</u> , IEEE, Vol. COM-34, No. 5, May 1986, pp. 423-429.
B N		Johansson, Stefan, <u>Silicon Realization of an OFDM Synchronization Algorithm</u> , Department of Applied Electronics, Sweden, 4 pages.
B O		van de Beek, Jan-Jaap, <u>Low Complex Frame Synchronization in OFDM Systems</u> , IEEE 1995, pp. 982-986.
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B U		van de Beek, Jan-Jaap, <u>Synchronization of a TDMA-OFDM Frequency Hopping System</u> , IEEE 1998, 6 pages.

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	B V	Zyren, Jim, <u>Tutorial on Basic Link Budget Analysis</u> , Intersil, June 1998, pp. 1-8.
	B W	Gardner, Floyd M. <u>Interpolation in Digital Modems - Part I: Fundamentals</u> , IEEE, Vol. 41, No. 3, March 1993, pp. 501-507.
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	C D	Ma, Xiaoli, <u>Non-Data-Aided Frequency-Offset and Channel Estimation in OFDM and Related Block Transmissions</u> , IEEE 2001, pp. 1866-1870.
	C E	Pompili, Massimiliano, <u>Channel-Independent Non-Data Aided Synchronization of Generalized Multiuser OFDM</u> , IEEE 2001, pp. 2341-2344.
	C F	Kim, Ki Yun, <u>Symbol Frame Synchronization Technique for OFDM Burst Mode Transmission</u> , Sungkyunkwan University, 4 pages.
	C G	Kim, Yun Hee, <u>An Efficient Frequency Offset Estimator for OFDM Systems and Its Performance Characteristics</u> , IEEE, Vol. 50, No. 5, September 2001, pp. 1307-1312.
	C H	Langfeld, Patrick, <u>OFDM System Synchronization for Powerline Communications</u> , University of Karlsruhe, 8 pages.
	C I	Barbarossa, Sergio, <u>Channel-Independent Synchronization of Orthogonal Frequency Division Multiple Access Systems</u> , IEEE, Vol. 20, No. 2, February 2002, pp. 474-486.
	C J	Keller, Thomas, <u>Orthogonal Frequency Division Multiplex Synchronization Techniques for Frequency-Selective Fading Channels</u> , IEEE, Vol. 19, No. 6, June 2001, pp. 999-1008.
	C K	Gallardo, Ana, <u>A Preamble Based Carrier Frequency Estimation Approach for B-FWA OFDM Systems</u> , Advanced Modulation and Coding Area, Development Programmes Department, Greece, 5 pages.
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	C M		Tufvesson, Fredrik, <u>Time and Frequency Synchronization for OFDM using PN-Sequence Preambles</u> , IEEE Vehicular Technology Conference, Amsterdam , The Netherlands, September, 1999, pp. 1-5.
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